

*Note on further changes in the Coloured Belt of Jupiter.*

By John Browning, Esq.

The coloured belt on Jupiter to which I have recently had the honour of calling the attention of the Society, has undergone many changes both in form and hue since I last described the appearance of the planet.

The ochreish-yellow colour is rather fainter, and of a duskier hue, and it is confined to the northern part of the equatorial belt, instead of covering the whole of it as was formerly the case.

It would, perhaps, be more correct to say that there are two belts near the equator, one to the north, of a faint dusky yellow, not dark, but very dim, and one to the south, which is pure white. This belt is by far the brightest portion of the planet's disk, and it is the only portion of the disk which is colourless.

The drawing I have the honour to exhibit represents pretty faithfully the appearance of the planet on January 31st, at 9.30, G.M.T.

March 10th, 9.30 P.M.—Observed *Jupiter* with reflector, 12-in. aperture, and power 140, achromatic eye-piece. The planet being very low, I could not use a higher power with advantage. The tawny yellow colour now again extends over the whole of the equatorial belt, which is broader than I have ever seen it before. This belt has a very dark band on the south, and a narrower dark band on the north; beyond each of these there is a very brilliant white belt. These two belts are the brightest portions of the planet's disk. As this striking outbreak of colour appears to be on the increase, it is very desirable that those observers who have a good western view should observe the planet, and record their observations at every possible opportunity, using the Astronomer Royal's new correcting eye-piece for the purpose.

*Minor Planet (109) Felicitas.*

Discovered 9th October, 1869, by Dr. C. H. F. Peters,  
at Clinton, N. Y.

The following Elements, calculated by him from observations up to 9th December, are given with an Ephemeris, *Ast. Nach.* No. 1788 :—

Epoch, 1870, Jan. 0.0 Berlin M.T.

$$M_0 = 357^{\circ} 33' 46''.82$$

$$\pi = 55^{\circ} 53' 6''.07 + 50''.24 t$$

$$\Omega = 4^{\circ} 57' 12''.20 + 47''.59 t$$

$$i = 8^{\circ} 3' 17''.56 + 0''.46 t$$

$$\phi = 17^{\circ} 27' 5''.47$$

$$\mu = 801''.820$$

$$\log a = 0.4306198$$

Where  $t$  is reckoned in years from 1850.0.

ERRATA.

Page 43, line 27, *for* Fareham, *read* Farnham.  
Page 134, "Dome for Sale," *for* 25 feet diameter, *read* 15 feet diameter.

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